



Science Toolkit: Grade 5 Objective 1.C.1.a

Student Handout: Science: Grade 5 Objective 1.C.1.a

Standard 1.0 Skills and Processes

Topic C. Communicating Scientific Information

Indicator 1. Recognize that clear communication is an essential part of doing science because it enables scientists to inform others about their work, expose their ideas to criticism by other scientists, and stay informed about scientific discoveries around the world.

Objective a. Make use of and analyze models, such as tables and graphs to summarize and interpret data.

Selected Response (SR) Item

Question

Use the information below to answer the following:

A tennis player hit a tennis ball into the air, giving the ball a speed of 30 meters per second. The data table below shows the time the ball was in the air and the speed of the ball as it went up and down.



Time (seconds)	Speed of the Ball (meters per second)
0 (ball is hit up)	30
1	20
2	10
3	0
4	10
5	20
6	30

What best describes the speed of the ball from 0 seconds to 6 seconds?

- A. It increases.
- B. It decreases.
- C. It decreases, then increases.
- D. It increases, then decreases.

Correct Answer

- C. It decreases, then increases.

Question

Use the information below to answer the following:

A tennis player hit a tennis ball into the air, giving the ball a speed of 30 meters per second. The data table below shows the time the ball was in the air and the speed of the ball as it went up and down.



Time (seconds)	Speed of the Ball (meters per second)
0 (ball is hit up)	30
1	20
2	10
3	0
4	10
5	20
6	30

What best describes the speed of the ball from 0 seconds to 6 seconds?

- A. It increases.
- B. It decreases.
- C. It decreases, then increases.
- D. It increases, then decreases.